



Ticks parasitizing humans in Greece

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Abstract:

In summer 2008, two fatal cases were observed in Northeastern Greece: a Crimean-Congo hemorrhagic fever (CCHF) case (first report in Greece) and a Mediterranean spotted fever case. In total, 537 ticks removed from humans who referred for this reason to the two hospitals of the region during June-September 2008 were identified. The vast majority of them (81.5%) were *Rhipicephalus sanguineus*, which is the main vector of *Rickettsia conorii*, while *Hyalomma marginatum*, the main vector of CCHF virus, accounted for 5.2%. The increased aggressiveness of *R. sanguineus* might be related to the weather conditions occurred during 2007-2008, while a variety of factors, including climate, might play a role in CCHF emergence.

Source: <http://dx.doi.org/10.1089/vbz.2010.0036>

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Temperature

Temperature: Fluctuations

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Europe

European Region/Country: European Country

Other European Country : Greece

Health Impact:



specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Vectorborne Disease

Vectorborne Disease: Tick-borne Disease

Tick-borne Disease: Crimean-Congo Haemorrhagic Fever, Other Tick-borne Disease

Tick-borne Disease (other): Mediterranean spotted fever

Intervention: 

strategy to prepare for or reduce the impact of climate change on health

A focus of content

Mitigation/Adaptation: 

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern: 

populations at particular risk or vulnerability to climate change impacts

Children, Elderly

Resource Type: 

format or standard characteristic of resource

Research Article

Timescale: 

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment: 

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content